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TO:

Liana Chase

COMPANY:

United States Patent and Trademark Office

FAX NO:

571-273-0025

DATE:

February 9, 2005

COMMENTS:

Re: United States Patent Application No. 10/538,768

Inventor: Bernard Ruchet

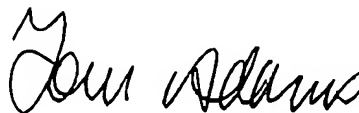
Title: Method and Apparatus for Testing Optical Networks

Our File: AP1012USN

Further to your telephone conversation with my assistant, Kathleen, attached is the International Search report, together with a copy of the front page of EP 0 786 878 and WO01/33746.

I look forward to hearing that you have received these documents and that the Petition to Make Special has been granted.

Yours truly,

Thomas Adams
Adams Patent & Trademark Agency

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PCT/CA2004/001552

A. CLASSIFICATION OF SUBJECT MATTER
 H04B-10/08, H04B-17/00

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 H04B-10/08, H04B-17/00, G01N with keywords

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

 Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used)
 Wpil, Delphion, Pluspat, IEEE explore Canadian patent database (optical, measure, monitoring, pon, signal, port, coupler, splitter)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US6,476,919 (Mori et al.) 5 November 2002 Col 14 line 17-line 45 Figure 16 and 19	1-5,9-11,12-16 and 20-23
Y	WO01/33746A2 (Ramaswami et al.) 10 May 2001 Figure 19 page 36 line 13-page 41 line 2	1-5,9-11,12-16 and 20-23
Y	US6,396,575 (Holland) 28 May 2002 Figure 1 Col 3 line 10 - col 4 line 34	1-5,9-11,12-16 and 20-23
A	EP0786878 (Cohen et al.) 30 July 1997 Whole document	1-23

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

 Date of the actual completion of the international-type search
 19 November 2004 (19-11-2004)

 Date of mailing of the international-type search report
 03 December 2004 (03-12-2004)

 Name and mailing address of the ISA/
 Commissioner of Patents
 Canadian Patent Office - PCT
 Ottawa/Gatineau K1A 0C9
 Facsimile No. 1-819-953-9358

 Authorized officer
 Claude Mathieu (819) 997-2163

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
/CA2004/001552

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US6476919	05-11-2002	JP3457548B2 B2 US6476919 B1	20-10-2003 05-11-2002
WO0133746	10-05-2001	AU1360601 A AU3071901 A AU3262201 A AU3634301 A AU3641001 A AU4302201 A CA2389327 A1 CA2389589 A1 CA2389721 A1 CA2389735 A1 CA2389758 A1 CA2389948 A1 EP1226738 A2 EP1228588 A2 EP1228592 A2 EP1228660 A1 EP1228661 A2 EP1228662 A2 US6571030 B1 US6597826 B1 US6650803 B1 US6792174 B1 US6813407 B2 US2004037553 A1 WO0133746 A2 WO0133895 A2 WO0133896 A1 WO0133897 A2 WO0133898 A2 WO0139413 A2	14-05-2001 14-05-2001 14-05-2001 14-05-2001 14-05-2001 04-06-2001 10-05-2001 31-05-2001 10-05-2001 10-05-2001 10-05-2001 10-05-2001 31-07-2002 07-08-2002 07-08-2002 07-08-2002 07-08-2002 07-08-2002 27-05-2003 22-07-2003 18-11-2003 14-09-2004 02-11-2004 26-02-2004 10-05-2001 10-05-2001 10-05-2001 10-05-2001 10-05-2001 10-05-2001 31-05-2001
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Europäisches Patentamt
European Patent Office
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(11) **EP 0 786 878 A2**

(12) **EUROPEAN PATENT APPLICATION**

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accordance with Art. 76 EPC:
92310603.3 / 0 546 707

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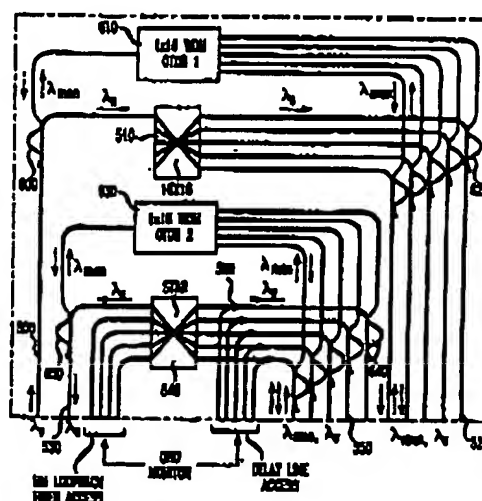
Remarks:

This application was filed on 10 - 03 - 1997 as a
divisional application to the application mentioned
under INID code 62.

(54) **Passive optical network**

(57) A passive optical network has an input port (500) and a plurality of output ports (520). It responds to input optical signals in a first wavelength region (λ_{min}) by routing them to respective output ports, depending on their wavelengths (demultiplexing 510). It responds to input optical signals in a second wavelength region λ_{B} by routing a portion to each of the output ports (star coupling 510).

FIG. 9



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